

DPM 392

M A T E R I A L S A F E T Y D A T A S H E E T

Royal Lubricants Co., Inc.
E. Hanover, NJ 07936

MSDS NUMBER >> ROYAL 783D (ROYCO 783C)

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EMERGENCY TEL. NO. CALL CHEMTREC 800-424-9300
ROYAL LUBRICANTS CO., INC. 201-887-7410

SECTION I

NAME

PRODUCT >> ROYCO 783D

CHEMICAL NAME AND SYNONYMS >> HYDRAULIC FLUID MIL-H-6083D

CHEMICAL FAMILY >> HYDROCARBON

SECTION II-A

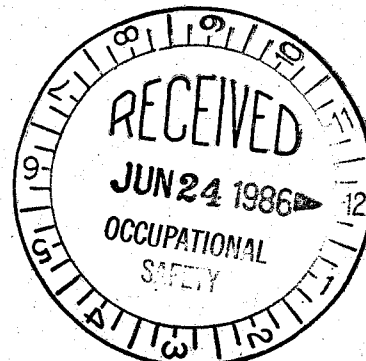
PRODUCT/INGREDIENTS

No.	COMPOSITION	CAS NUMBER	%
P	ROYCO 783D	MIXTURE	100
1.	HYDROTREATED LIGHT NAPHTHENIC DISTILLATE		> 75%
2.	OTHER COMPONENTS		< 25%

SECTION II-B

ACUTE TOXICITY DATA

No.	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LD50
P	NA	NA	NA



NA = No Applicable Information Found
N/A = Not Applicable

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SECTION III HEALTH INFORMATION=====

EYE CONTACT

MAY BE IRRITATING TO EYES

SKIN CONTACT

PROLONGED OR REPEATED CONTACT MAY CAUSE VARIOUS DISORDERS SUCH AS DERMATITIS, FOLLICULITIS, OR OIL ACNE. RELEASE DURING HIGH PRESSURE USAGE MAY RESULT IN INJECTION OF OIL INTO THE SKIN CAUSING LOCAL NECROSIS.

INHALATION

IN HIGH CONCENTRATIONS (ATTAINABLE AT HIGH TEMPERATURES), VAPOR IS IRRITATING TO MUCOUS MEMBRANES AND IS ANESTHETIC.

INGESTION

LOW ORDER OF TOXICITY, BUT MAY CAUSE GASTROINTESTINAL DISTURBANCES SUCH AS CATHARSIS. ASPIRATION WITH SUBSEQUENT PULMONARY INFILTRATION MAY OCCUR.

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SECTION IV OCCUPATIONAL EXPOSURE LIMITS=====

No.	OSHA		ACGIH	
	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL
P	5 MG/M ³	NA	5 MG/M ³	10 MG/M ³

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SECTION V EMERGENCY AND FIRST AID PROCEDURES=====

EYE CONTACT

FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS OFF. WASH WITH SOAP AND WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE. DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

INGESTION

DO NOT INDUCE VOMITING. GIVE 1/2 PINT OF MILK OR WATER. IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION. KEEP VICTIM WARM AND AT REST. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

NA

SECTION VII

PHYSICAL DATA

Boiling Point (F) >>>> IBP ~310°F Melting Point (F) >>>>>>> NA
Vapor Pressure (mmHg)> NA Specific Gravity (H2O=1)>>> .85
% Volatile (volume)>>> NA Vapor Density (air=1) >>>> >5
Solubility in H2O >> INSOLUBLE Evaporation Rate (BuOAC=1)> NA

APPEARANCE AND ODOR

RED CLEAR FLUID WITH SLIGHT PETROLEUM ODOR.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT >>> 200°F	FLAMMABLE LIMITS	UPPER>>> 7%
(METHOD USED) COC	(% VOLUME IN AIR)	LOWER>>> 1%

EXTINGUISHING MEDIA

CARBON DIOXIDE, DRY CHEMICAL POWDER, OR FOAM EXTINGUISHER. DO NOT USE WATER JET.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

SECTION IX

REACTIVITY

STABILITY >>> STABLE HAZARDOUS POLYMERIZATION >>> WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

AVOID HEAT, OPEN FLAME, AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLIDS, LIQUID PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION NOT ORDINARILY REQUIRED. HOWEVER, IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR1910.134 USE EITHER AN ATMOSPHERE SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

PROTECTIVE CLOTHING USE OIL RESISTANT GLOVES AND OTHER CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.

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SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES TAKE UP WITH DIATOMACEOUS EARTH, CLAY, OR OTHER INERT ABSORBENT AND PLACE IN CONTAINER FOR LATER DISPOSAL.

WASTE DISPOSAL DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

ENVIRONMENTAL HAZARDS EPA-CLEAN WATER ACT (CWA). THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING A) SURFACE WATERS OR B) ANY WATER COURSES OR SEWERS ENTERING/LEAVING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. 800-424-8802.

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SECTION XII

SPECIAL PRECAUTIONS

STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES THAT CANNOT BE DECONTAMINATED.

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SECTION XIII

TRANSPORTATION REQUIREMENTS

Department of Transportation Classification

NOT HAZARDOUS BY D.O.T. REGULATIONS

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SECTION XIV

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OTHER REGULATORY CONTROLS

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EPA, FDA, OSHA, USDA, CPSC, Etc.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY
OF CHEMICAL SUBSTANCES.

The information contained herein is based on the data available to us, and is believed to be correct. However, Royal makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Royal assumes no responsibility for injury from the use of the product described herein.

DATE PREPARED: November 1, 1985

For further information contact:

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